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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. 4348US (MUEI-0547.00/US) James J. Howarth First Inventor METHOD OF BALL GRID ARRAY (BGA) ALIGNMENT, METHOD OF TESTING, ALIGNMENT APPARATUS AND SEMICONDUCTOR DEVICE ASSEMBLY

≣	(Only for new nonprovisi	onal applications under 37 CFR 1.53(b,	)) Expre	Express Mail Label No. EL740536048US							
	[2	ATION ELEMENTS		DRESS	ТО: в	ox Patent A	Applicati		nts		
	1. X Fee Transmittal (Submit an original and Applicant claims See 37 CFR 1.2 Specification (preferred arrangeme - Descriptive titl - Cross Referer - Statement Re - Reference to sor a computer - Background of	[Total Pages 23]  ent set forth below)  le of the invention lice to Related Applications garding Fed sponsored R & D sequence listing, a table, program listing appendix of the Invention	7. 8. l a. b	Washington, DC 20231  7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper  c. Statements verifying identity of above copies							
	<ul> <li>Brief Descript</li> </ul>	y of the Invention ion of the Drawings (if filed)		ACCOME	PANYING	APPLIC	CATIO	N PARTS			
	<ul><li>Detailed Desc</li><li>Claim(s)</li><li>Abstract of th</li></ul>	•		9. Assignment Papers (cover sheet & document(s))  37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney							
	4. X Drawing(s) (35 5. Oath or Declaration	[ Total Pages 1	1 12	11. English Translation Document (if applicable)  12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449							
4	Copy from	cuted (original or copy) a prior application (37 CFR 1.63 (d)) ation/divisional with Box 18 completed)		13. Preliminary Amendment  14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)							
4!! 4!! H.	Signed s named in	TION OF INVENTOR(S) tatement attached deleting inventor(s) the prior application, see 37 CFR ) and 1.33(b).		15. Certified Copy of Priority Document(s) (if foreign priority is claimed)  16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.					3/35		
F		a Sheet. See 37 CFR 1.76	<u> </u>	17. Other:							
uran uu	18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation  Divisional  Continuation-in-part (CIP)  Of prior application No:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.										
-	19. CORRESPONDENCE ADDRESS										
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	Name	24247	,								
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f	City		State			Zip (	Code				
ŀ	Country		Telephone			Fa					
-	Name (Print/Type)	Bradley B. Jensen	Re	gistration N	lo. (Attorn	ey/Agent)	46.8	01	$\overline{\gamma}$		
	Signature	Rul (R)		<u>-</u>	,	Date			ヿ		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



PTO/SB/17 (11-00)

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## FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL	<b>AMOUNT</b>	OF P	AYMENT
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Complete if Known							
Application Number	Not yet assigned						
Filing Date	August 30, 2001						
First Named Inventor	James J. Howarth						
Examiner Name	Unknown						
Group Art Unit	Unknown						
Attorney Docket No.	4348US (MUET-0547 00/US)						

	METHOD OF PAYMENT							FEE CALCULATION (continued)							
	1. X  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:							3. ADDITIONAL FEES							
		Depos	٠ _	20-1469		ayments to.	1	Larg Enti		Sma					
		Accour Number Deposi	r <u>[2</u>				Fee Cod	Fee	Fee Cod	Enti Fee e (\$)	•	Fee Paid			
		Accoun	ı I	ra	skBr	itt, P.C.		105	130	205	65	Surcharge - late filing fee or oath			
		Cr	arge A	ny A	dditiona	I Fee Required		127	50	227	25	Surcharge - late provisional filing fee or cover sheet			
	Under 37 CFR 1.16 and 1.17  Applicant claims small entity status.					139	130	139	130	Non-English specification					
	See 37 CFR 1.27  2. X Payment Enclosed:							147	2,520	147	2,520	For filing a request for ex parte reexamination			
						112	920*	112	920*	Requesting publication of SIR prior to Examiner action					
J	FEE CALCULATION						oer —	113	1,840*	113	1,840	* Requesting publication of SIR after Examiner action			
Ų.								115	110	215	<b>5</b> 5	Extension for reply within first month			
十十十二		Large I	ntity	y Small Entity		116	390	216	195	Extension for reply within second month					
-		Fee Code		Fee Cod	Fee le (\$)	Fee Description	Fee Paid	117	890	217	445	Extension for reply within third month			
Ė			10	201	355	Utility filing fee		118	1,390	218	695	Extension for reply within fourth month			
4,2,1		106 3	20	206	160	Design filing fee	710	128	1,890	228	945	Extension for reply within fifth month			
N		107 4	90	207	245	Plant filing fee	<u> </u>	119	310	219	155	Notice of Appeal			
a .		108 7	10	208	355	Reissue filing fee	Ö	120	310	220	155	Filing a brief in support of an appeal			
		114 1	50	214	75	Provisional filing	fee 0	121	270	221	135	Request for oral hearing			
Ø	SUBTOTAL (1) (\$) 710.00						(40)	138	1,510	138	1,510	Petition to institute a public use proceeding			
IJ.								140	110	240	55	Petition to revive - unavoidable			
	2. EXTRA CLAIM FEES  Fee from							141	1,240	241	620	Petition to revive - unintentional			
٥			_		_	Ext <u>ra Claim</u> s	below Fee Paic	142	1,240	242	620	Utility issue fee (or reissue)			
		l Claims		62	=	)** = <u>42</u> x	<u> 18</u> = <u>756</u>	143	440	243	220	Design issue fee			
-	Clair	ms	L	القا	3** = 1 X 80	80 = 80	144	600	244	300	Plant issue fee				
ı	Multiple Dependent 0 = 0					122	130	122	130	Petitions to the Commissioner					
ľ	Large Entitle a . u = .u.							123	50	123	50	Processing fee under 37 CFR 1.17(q)			
	Large Entity Fee Fee Fee Description			126	180	126	180	Submission of Information Disclosure Stmt							
ı		ode (\$) 03 18		ode		Claims in excess		581	40	581	40	Recording each patent assignment per property (times number of properties)			
1		02 80	20		40	-	ns in excess of 3	146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))			
		04 270 09 80	20 20		35 40	** Reissue indep over original pa		149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))			
		10 18	21	0	9	• .	s in excess of 20	179	710	279	355				
						and over origin	al patent	169	900	169	900	Request for expedited examination of a design application			
	SUBTOTAL (2) (\$) 836.00							Other	Other fee (specify)						
L	**or number previously paid, if greater, For Reissues, see above							*Reduced by Basic Filing Fee Paid SUBTOTAL (3)							

SUBMITTED BY		Complete (ii	Complete (if applicable)			
Name (Print/Type)	Bradley	B. Jensen	Registration No. (Attorney/Agent)	46,801	Telephone	801-532-1922
Signature	Brel	m Bol			Date	08/30/2001

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